

**STL Richland**2800 George Washington Way  
Richland, WA 99354Tel: 509 375 3131 Fax: 509 375 5590  
www.stl-inc.com**Certificate of Analysis**Pacific Northwest National Laboratories  
Sigma V Building  
Richland, WA 99352

July 5, 2007

Attention: Steve Trent

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SAF Number	:	I07-002
Date SDG Closed	:	June 19,2007
Number of Samples	:	Two (2)
Sample Type	:	Water
SDG Number	:	W005033A
Data Deliverable	:	15-Day / Summary

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**CASE NARRATIVE****I. Introduction**

On June 19,2007, a request for a data recheck of two water samples were received at STL Richland (STLR). Upon receipt, the sample was assigned the following laboratory ID number to correspond with the Pacific Northwest National Laboratories (PGW) specific ID:

<u>PGW ID#</u>	<u>STLR ID#</u>	<u>MATRIX</u>	<u>DATE OF RECEIPT</u>
B1KM32	J1K5A (JGKEM)	WATER	06/19/07
B1KLH9	J1K4P (JGAQ0)	WATER	06/19/07

**II. Sample Receipt**

The samples were received in good condition and no anomalies were noted during check-in.

**III. Analytical Results/Methodology**

The analytical results for this report are presented by laboratory sample ID. Each set of data includes sample identification information, analytical results and the appropriate associated statistical errors.

The requested analyses were:

**Chemical Analysis**

Hexavalent Chromium by EPA method 7196A

#### **IV. Quality Control**

The analytical results for each analysis performed includes a minimum of one laboratory control sample (LCS), one method (reagent) blank, and one duplicate sample analysis. Any exceptions have been noted in the "Comments" section.

QC and sample results are reported in the same units.

#### **V. Comments**

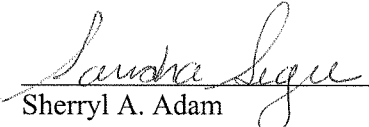
##### **Chemical Analysis**

Hexavalent Chromium by EPA method 7196A:

The data were reviewed for typographical, calculation and reporting errors. No data discrepancies or anomalies were found regarding samples B1KM32 and B1KLH9, as reported from the analysis data on November 30, 2006

I certify that this Certificate of Analysis is in compliance with the SOW, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Manager, or a designee as verified by the following signature.

Reviewed and approved:

  
Sherryl A. Adam  
for Project Manager

06/19/2007  
RECHECK, RECOUNT, OR REANALYSIS ORDER  
CONTRACT NO MW6-SBB-A19981

Severn Trent Incorporated,  
2800 George Washington Way  
Richland, WA 99354

Battelle PNNL Order Number: 070619STLRL-R3864

Sample Delivery Group: W05033

Special Instructions None

Samples(s)

Lab Sample ID	PNNL Sample	Action	TAT	METHOD_NAME:
9JGKEM10	B1KM32	Recheck	15/15	7196_CR6
9JGAQ010	B1KLH9	Recheck	15/15	7196_CR6

J7F220224

B1KLH9 = J1K4P  
B1KM32 J1K5A

Date Rec'd: 6/19/07

Date Due: 7/5/07

15 day TAT

USE W05033A for the SDG

Please Re-log B1KM32 &  
B1KLH9 for a DATA  
Recheck

Deliver Report Results to: Fluor Hanford, Inc.  
1200 Jadwin Ave.  
Richland, WA 99352  
C/O Mr. Steve Trent

The report results must reference the Battelle PNNL-order number, SDG number, and the Battelle PNNL sample identification number shown above.

## Seger, Sandra

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**From:** Adam, Sherryl  
**Sent:** Tuesday, June 19, 2007 2:06 PM  
**To:** Seger, Sandra  
**Subject:** FW: Request for Recheck, Recount, or Reanalysis Order

**Attachments:** 070619STLRLR3864.rtf



070619STLRLR3864  
.rtf (3 KB)

-----Original Message-----

**From:** Hampt, Heidi [mailto:Heidi\_Hampt@RL.gov]  
**Sent:** Tuesday, June 19, 2007 1:37 PM  
**To:** Adam, Sherryl  
**Cc:** Trent, Stephen J  
**Subject:** Request for Recheck, Recount, or Reanalysis Order

<<070619STLRLR3864.rtf>>  
See Attached

Collector Fluor Hanford D. P. CONNOLLY	Contact/Requester Dot Stewart	Telephone No. 509-376-5056	MSIN	FAX
SAF No. 107-002	Sampling Origin Hanford Site	Purchase Order/Charge Code		
Project Title 100KR4IAM(1/2)-LOI OCTOBER 2006	HNF-N-506 2	Ice Chest No. SAWS-300	Temp.	
Shipped To (Lab) Severn Trent Incorporated, Richland	Method of Shipment Govt. Vehicle	Bill of Lading/Air Bill No.		
Protocol CERCLA	Priority: 45 Days	Offsite Property No.		



POSSIBLE SAMPLE HAZARDS/REMARKS	
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\*\* \*\* Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

## SPECIAL INSTRUCTIONS

**SPECIAL INSTRUCTIONS**      **Hold Time**      Total Activity Exemption: Yes ☒ No ☐  
Batch all PNNL GW samples submitted under "W", "S", "I", "A" or "G" 07 SAFs into one SDG, not to exceed SDG closure of 14 days.  
Submit invoices & deliverables to DL Stewart, PNNL

[illegible]

Relinquished By <b>Fluor Hanford</b> <b>D. P. CONNOLLY</b>	Print 	Date/Time <b>OCT 16 2006</b>	Received By <b>J. Smith</b>	Print 	Date/Time <b>OCT 16 2006</b>	Matrix *
Relinquished By	Date/Time	Received By	Date/Time	S = Soil DS = Drum Solid SE = Sediment DL = Drum Liquid SO = Solid T = Tissue SL = Sludge WL = Wine W = Water L = Liquid O = Oil V = Vegetation A = Air X = Other		
Relinquished By	Date/Time	Received By	Date/Time			
Relinquished By	Date/Time	Received By	Date/Time			
<b>FINAL SAMPLE DISPOSITION</b>	Disposal Method (e.g., Return to customer, per lab procedure, used in process)			Disposed By	Date/Time	

PNNL 16J120305  
W05033  
Date 11-27-06

# CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. #  
**I07-002-14**  
Page 1 of 1

Collector <b>R. T. SICKLE</b>	Contact/Requester Dot Stewart	Telephone No. 509-376-5056
AF No. 107-002	Sampling Origin Hanford Site	MSIN FAX
Project Title 100KR4IAM(1/2)-LOI OCTOBER 2006	Purchase Order/Charge Code	
Shipped To (if ah) Severn Trent Incorporated, Richland	Ice Chest No. AFS-04-022	Temp.
Protocol CERCLA	Method of Shipment Govt. Vehicle	Bill of Lading/Air Bill No.
Priority: 45 Days		Offsite Property No.

## POSSIBLE SAMPLE HAZARDS/REMARKS

\*\* \*\* Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

**SPECIAL INSTRUCTIONS** Hold Time Total Activity Exemption: Yes ☒ No ☐  
Batch all PNNL GW samples submitted under "W", "S", "T", "A" or "G" 07 SAFs into one SDG, not to exceed SDG closure of 14 days.  
Submit invoices & deliverables to DL Stewart, PNNL

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1KLH9 (F)		W	10/12/06	1139	1x500-mL aG	7196_CR6: Hexavalent Chromium (1) JGAQ0	Cool 4C
B1KLJ0		W			1x1000-mL P	9310_ALPHABETA_GPC: Alpha + Beta (2)	HNO3 to pH <2
B1KLJ0		W			1x20-mL P	Activity Scan	None
B1KLJ0		W			2x1000-mL G/P	C14_LSC: C-14 (1) JGAQ4	None
B1KLJ0		W			3x1000-mL G/P	GAMMA_GS: List-1 (10)	HNO3 to pH <2
<div>Relinquished By: <i>[Signature]</i> 10/12/06</div>							

Relinquished By <b>R. T. SICKLE</b>	Date/Time <b>OCT 12 2006 1410</b>	Received By <b>S. Smith</b>	Date/Time <b>OCT 12 2006 1410</b>	<b>Matrix *</b> S = Soil DS = Drum Solid SE = Sediment DI = Drum Liquid SO = Solid T = Tissue SL = Sludge WI = Wine W = Water L = Liquid O = Oil V = Vegetation A = Air X = Other
Relinquished By	Date/Time	Received By	Date/Time	
Relinquished By	Date/Time	Received By	Date/Time	
Relinquished By	Date/Time	Received By	Date/Time	
<b>FINAL SAMPLE DISPOSITION</b>				
Disposal Method (e.g., Return to customer, per lab procedure, used in process)				Disposed By Date/Time